

WILLSON®
N95 PARTICULATE RESPIRATOR
MODEL W1400
Use Instructions

(Please Keep This Sheet With Your Box of Respirators)

I. INTRODUCTION

This document includes the donning, use, and care instructions for the Willson® **W1400** N95 Particulate Respirator. The **W1400** N95 respirator is NIOSH approved under 42 CFR Part 84 and meet the requirements for the N-Series category with an efficiency of 95%. N95 respirators are effective against particulate aerosols free of oil. **You must read and understand these user instructions before using the respirator.**

II. USE:

- Effective against solid particulates, such as mechanically generated dry dirt and wood dusts, and dry pesticides.
- Effective against mechanically generated non-oil based (water-based) aerosols such as mists from spraying.
- Effective against thermally generated fumes such as those produced from welding, cutting, or brazing.

III. DO NOT USE:

- For protection against gases or vapors.
- For protection during abrasive blasting, or fumigation.
- For protection against oil-based aerosols or asbestos.
- Where the concentration of particulate contaminants exceeds the maximum use concentration or 10 times the OSHA Permissible Exposure Limit (PEL), whichever is lower.
- For protection against bioaerosols (except those specifically noted as acceptable by the Centers for Disease Control).

IV. SAFETY PRECAUTIONS

The Warnings, Cautions, and Notes contained in these user instructions have the following significance.



WARNING

Maintenance or operating procedures and techniques that may result in serious personal injury, serious illness, or death if not carefully followed.

CAUTION

Maintenance or operating procedures and techniques that may result in damage to equipment and/or moderate personal injury if not carefully followed.

NOTE

Maintenance or operating procedures and techniques or information considered important enough to emphasize.

V. WARNINGS AND LIMITATIONS



WARNINGS and LIMITATIONS

- This respirator will reduce, but will not eliminate the inhalation of contaminants and microorganisms. Some sensitive individuals may experience health problems when exposed to even minute amounts of contaminants. This respirator will not prevent health problems for those individuals.
- Your employer (or you, if you do not have an employer) is responsible for establishing that this respirator is suitable for your application.
- This respirator must be selected, used, and maintained in accordance with applicable health and safety standards.
- Do not use this respirator for protection against gases and vapors, asbestos, oil-based aerosols, or during abrasive blasting, paint spraying, or fumigation.



WARNINGS and LIMITATIONS - Continued

- This respirator must be replaced whenever it is damaged, soiled, contaminated with water, blood, or bodily fluids, or becomes difficult or uncomfortable to breathe through.
- This respirator must be worn and used as specified in these instructions. You must read and understand the instructions and warnings and limitations provided on the box and in these instructions before using this respirator.
- This respirator does not supply oxygen and must not be used in atmospheres containing less than 19.5% oxygen by volume.
- This respirator must be used in conjunction with a written respirator program meeting the requirements of the OSHA Standard for Respiratory Protection, 29 CFR 1910.134, available from the U.S. Department of Labor, Occupational Safety and Health Administration.
- Do not wear this respirator if a satisfactory facepiece-to-face fit, as determined by a qualitative or quantitative fit-test, cannot be obtained. See ANSI Z88.2, latest issue and OSHA 29 CFR 1910.134, latest edition. Beards, stubble, or sideburns or deep facial scars etc., will prevent a good seal between the face and the respirator, and facial hair may interfere with valve function. Do not use this respirator unless you are clean-shaven. Absence of one or both dentures can seriously affect the fit of the respirator.
- Do not alter or modify this respirator. Modifying this respirator will void certification and may create a condition in which the respirator would not provide the intended protection.
- Always read and follow the instructions listed in the MSDS for the chemicals that are present in your work area.
- Do not use this respirator unless it has been taken from a sealed package. Do not use this respirator if it has been left exposed in a contaminated environment as contaminants could collect on the inside of the respirator and be inhaled when the respirator is donned.
- Do not use this respirator in environments where the concentrations of contaminants are unknown or immediately dangerous to life or health (IDLH). An IDLH atmosphere is one where the wearer can not breathe for short periods, cannot escape without the aid of the respirator, or one which would have an immediate or delayed adverse effect on health.
- Store the respirator in a sealed container and in a clean area, away from moisture, heat, and direct sunlight, and where temperatures do not exceed 38°C (100°F).
- Dispose of used respirators in accordance with Federal, state, and local guidelines.
- Do not use if you have a preexisting skin condition, i.e., folliculitis or vitiligo, until you obtain clearance from a medical doctor.
- Discontinue use of this respirator if you experience skin irritation or discoloration.
- Immediately return to a non-contaminated area if you taste or smell contaminants, your eyes, nose, or throat become irritated, breathing becomes uncomfortable or difficult, you feel nauseous or dizzy, or the respirator moves or slips.
- Persons sensitized can have a severe reaction to chemicals at levels well below accepted health levels. Do not use this respirator if you have been sensitized from previous exposure or believe that you may be sensitive or allergic to any chemical until you obtain clearance from a medical doctor.
- Some individuals are sensitive to chemicals or may have some type of respiratory disorder. If you are sensitive to any chemical or have a respiratory disorder, you may have a severe reaction at contaminant levels well below accepted health levels. Many chemicals have no physical warning properties and you cannot taste or smell the contaminants even though they may be present in the respirator. This respirator will reduce, but not eliminate the possibility of contaminants entering respirator and causing a severe reaction. Do not use this respirator until you obtain clearance from a medical doctor.
- If this respirator will be used during welding, it is the wearer's responsibility to obtain the proper equipment for protection against sparks, optical radiation, and impact. This respirator will not protect you against these hazards.
- Do not expose this respirator to open flame, sparks, or hot embers.
- For use by trained qualified personnel only.
- This product may provide less than adequate protection if improperly used, resulting in serious personal injury, serious illness, or death.

WILLSON

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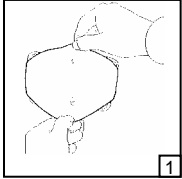


WARNING

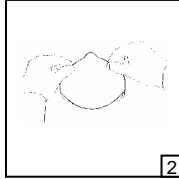
The failure to use and maintain this equipment in strict conformance with the user instructions may result in serious personal injury, and its use in any manner that is not expressly authorized pursuant to the applicable user instructions may result in severe adverse impacts to human health.

VI. DONNING INSTRUCTIONS

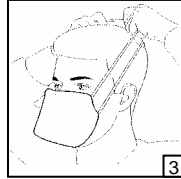
The following donning and user seal check instructions must be followed each time the respirator is used. It is the wearer's responsibility to ensure the respirator fits properly.



1

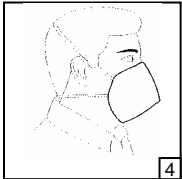


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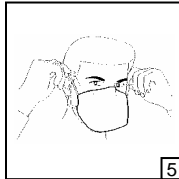


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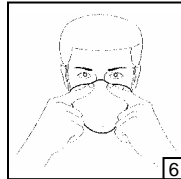
1. Separate the respirator so that it is fully open.
2. Bend the nose piece so that the respirator forms a cup.
3. Position the bottom edge of the respirator under your chin and bring the headbands over your head.



4



5



6

4. Position the lower headband around the back of your neck. Position the top headband across the crown of your head.
5. Pull the top straps back to adjust for a comfortable fit.
6. Press the nose piece firmly across the bridge of your nose so that the nose piece conforms to your facial contours.
7. Perform a user seal check each time the respirator is worn or before entering a contaminated area.

VII. USER SEAL CHECK



WARNING

If a leak-tight seal is not obtained during the following user seal check, do not wear the respirator in a contaminated environment. Ask your supervisor or safety professional for assistance. The failure to comply with this Warning may result in serious personal injury, serious illness, or death if not carefully followed.

1. Run your finger around the edge of the respirator to ensure a good seal.
2. If the respirator is not equipped with an exhalation valve, place both hands over the respirator and exhale sharply. A positive pressure should be felt within the respirator. If the respirator is equipped with an exhalation valve, place both hands over the respirator and inhale sharply. A negative pressure should be felt within the respirator.
3. No air leakage should be felt around your eyes or around the respirator edge. If necessary, re-adjust the respirator as described in donning steps 1 through 6 and repeat the user seal check.

VIII. USE INSTRUCTIONS



WARNING

You must replace the respirator when breathing becomes uncomfortable or difficult. As particulates collect on the respirator surface, the breathing resistance increases. Excessive resistance may lead to particulate leakage passed the face seal. WILLSON strongly recommends the respirator be replaced at least daily.

The service life of the W1400 respirator depends on the characteristics of the contaminant, the user's breathing rate, and environmental conditions such as humidity, temperature, etc. The W1400 respirator uses electrostatic charges to capture particles, and these types of respirators may be subject to some loss of efficiency if they are exposed to certain liquid aerosols.

High humidity and temperatures, as well as contact with non-oil based liquid aerosols, may also affect the capture of contaminants by these respirators.

All new W1400 respirators must be maintained in the factory re-sealable bag and must only be removed when they are to be used. Used respirators must be in a protection and in a clean, dry environment.

The W1400 respirator must be replaced immediately whenever it is damaged, soiled, soaked with liquids such as water or alcohol, appear to be suspect or damaged in any manner, or the user notices an increase in breathing resistance such that the respirator becomes uncomfortable to wear. If none of the above occurs and there is a respiratory protection program per OSHA 29 CFR 1910.134 in place, then these respirators may be used continually, but only for a maximum of 30 days or 40 total hours, whichever comes first. However, WILLSON recommends that these respirators be replaced daily because the user may be unable to detect small defects resulting in a loss of filter efficiency and the determination of when breathing resistance becomes too uncomfortable is subjective. Further, WILLSON recommends that these respirators be replaced daily when there are any liquid aerosols present and there is no respirator program in place.

IX. ADDITIONAL INFORMATION

If you need assistance or additional information on this or any Bacou-Dalloz product, consult your local distributor or contact:

WILLSON

Bacou-Dalloz company

3001 South Susan Street

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X. WARRANTY AND LIMITATION OF LIABILITY

LIMITED WARRANTY: WILLSON® warrants this product to be free from defects in materials and workmanship for 1 year from the date of purchase. During this period, WILLSON will repair or replace defective parts, at WILLSON's option. The purchaser shall pay freight charges to and from the WILLSON factory.

EXCLUSIONS: NOTWITHSTANDING ANY CONTRARY TERM IN THE PURCHASER'S PURCHASE ORDER OR OTHERWISE, THE ONLY WARRANTY EXTENDED BY WILLSON IS THE EXPRESSED LIMITED WARRANTY DEFINED ABOVE. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE.

CONDITIONS: To maintain this warranty, this product must be used, maintained, and inspected as prescribed in the owner's instruction manual, including prompt replacement or repair of defective parts and such other necessary maintenance and repair as may be required. Normal wear and tear; parts damaged by abuse, misuse, negligence, or accidents; and inhalation and exhalation valves are specifically excluded from this warranty.

LIMITATION OF LIABILITY: No other oral warranties, representations, or guarantees of any kind have been made by WILLSON, its distributors, or the agents of either of them, that in any way alter the terms of this warranty. **EXCEPT AS HEREIN PROVIDED, WILLSON SHALL HAVE NO LIABILITY FOR ANY LOSS OR DAMAGE, WHETHER DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL, TO ANY PURCHASER OR USER OF THIS PRODUCT ARISING FROM THE SALE, USE, OR OPERATION OF THIS PRODUCT.**



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THESE RESPIRATORS ARE APPROVED ONLY IN THE FOLLOWING CONFIGURATIONS:

RESPIRATOR COMPONENTS

TC-	Protection ¹	Alternate Respirators	Cautions and Limitations ²
		W1400	
84A-4282	N95	X	ABCJMNOP

1. Protection:

N95 - Particulate Filter (95% filter efficiency level) effective against particulate aerosols free of oil; time use restrictions may apply

2. Cautions and Limitations:

- A - Not for use in atmospheres containing less than 19.5 percent oxygen.
- B - Not for use in atmospheres immediately dangerous to life or health.
- C - Do not exceed maximum use concentrations established by regulatory standards.
- J - Failure to properly use and maintain this product could result in injury or death.
- M - All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA, and other applicable regulations.
- N - Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
- O - Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
- P - NIOSH does not evaluate respirators for use as surgical masks.